

# Environmental Sustainability Update

February 2026



# Our Vision for environmental sustainability

- We recognise environmental challenges to the world
  - We will play our part in addressing them through our daily actions
  - We will work to better understand our impacts and implement actions to mitigate or avoid them
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- Our Vision is for zero environmental impact from our activities

# Focus areas for environmental sustainability

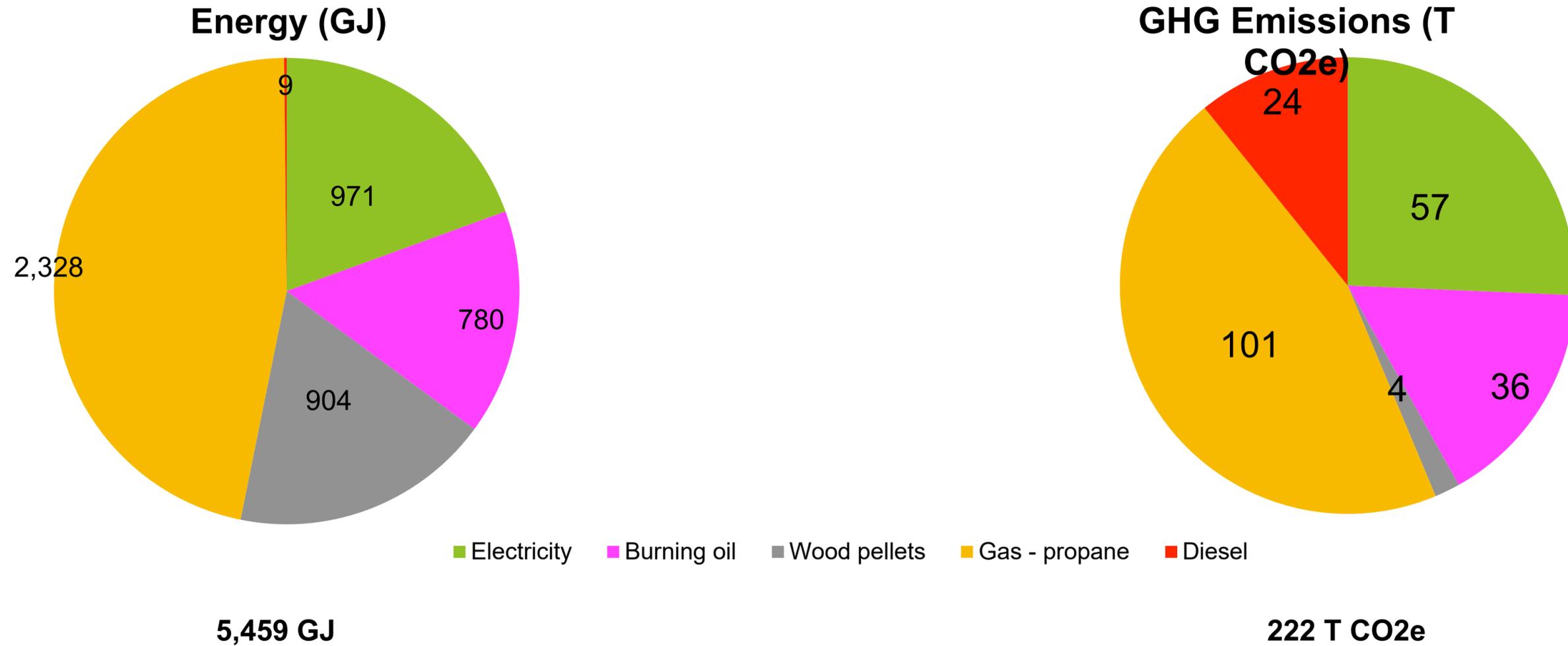
1. Energy use and greenhouse gas emissions
2. Water / wastewater: better understand our impacts
3. Materials
  - Understand how much we use and of what
  - Explore opportunities to reduce / reuse / recycle
4. Biodiversity
5. Others: understand and quantify our impacts
  - Travel to & from the centre is most significant impact

# What have we been doing?

1. Environmental Sustainability Team in place and working
2. GHG / Energy
  - ❖ Tracking and reporting - in place for 3 years
  - ❖ Green electricity - 100% green since Nov 24
  - ❖ Environmental Audit (Cumbria Business Environment Network)
  - ❖ Improvement work
    - ❖ Low energy lighting
    - ❖ Heating set points
3. Water tracking and reporting
4. Wastewater: Tythe Barn septic tank survey
5. Materials
  1. Reviewed our materials - work to avoid plastics / throw away souvenirs
  2. Improved recycling
6. Education & Training
  1. Carbon Literacy workshop for management team
  2. Environmental Sustainability workshop for all staff

# Where did we start from?

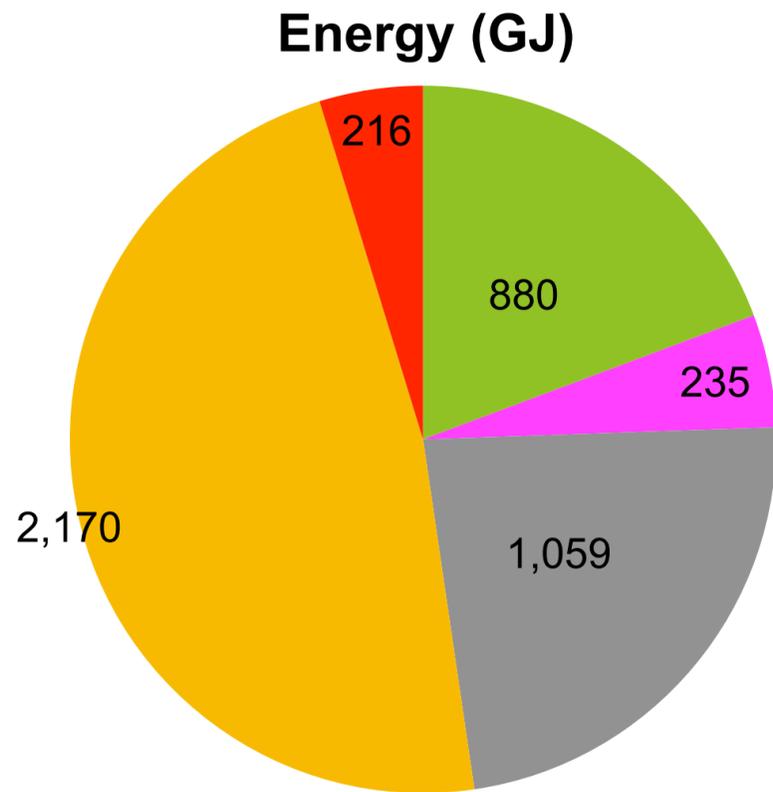
(October 2023 - September 2024)



Propane burned for space heating and electricity generation is our most significant GHG impact, followed by brown electricity and then burning oil

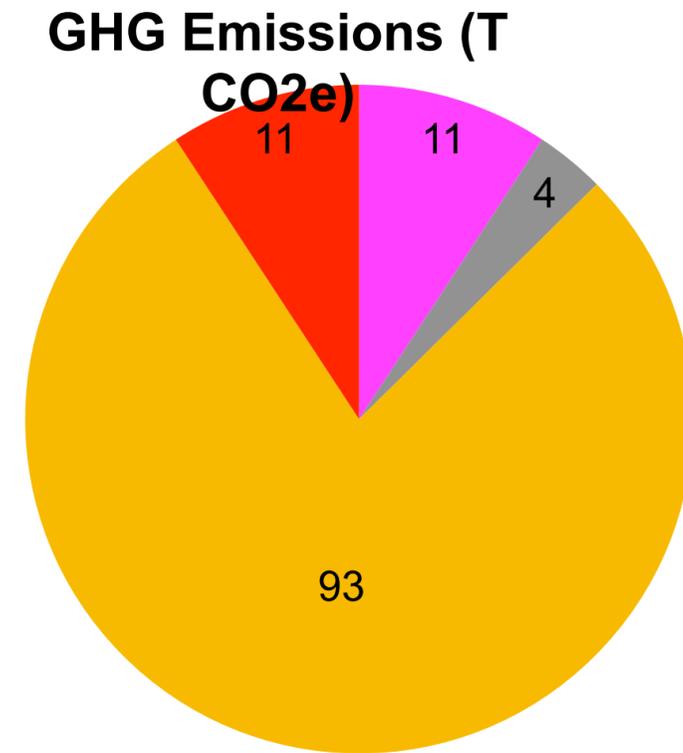
# GHG emissions down by 100T last year

(Dec 24 - Nov 25)



Electricity Burning oil Wood pellets Gas - propane Diesel

4,559 GJ



119 T CO2e

- Reconnections 800 GJ benefit
- Stables 7GJ saving with further savings from low energy lights to come
- Lakes use is no change

- Green electricity 57T CO2e
- Reconnections 40T CO2e with another 11T to drop out in 25/26
- Diesel impact has halved (10T saving)

# Where do we go next?

## 1. Environment Audit proposals

- Swimming pool cover
- Variable speed drives for swimming pool circulation pumps
- Farmhouse base load investigation
- Stables base load investigation

## 2. Materials

1. Continual improvement on plastics / souvenirs
2. Recycling promotion

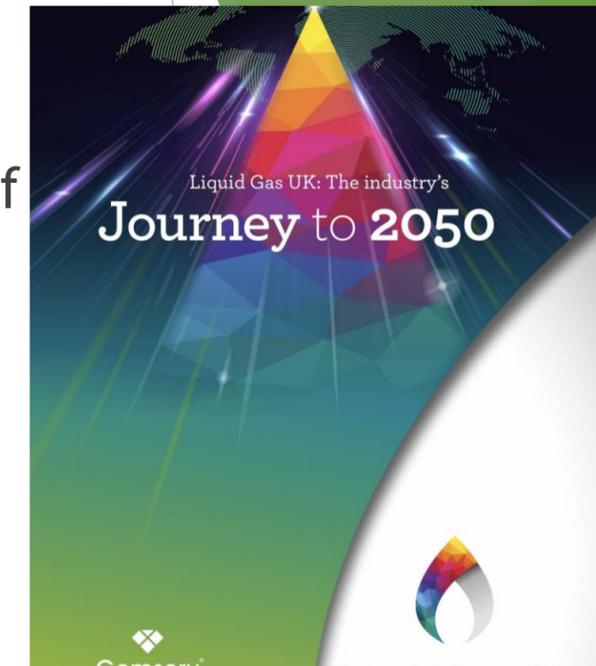
## 3. Inform visitors about our environmental work

## 4. Help visitors to reduce their impact: travel the biggest issue

## 5. Keep working with our staff Sustainability team

# Longer Term Step Change ....

1. Propane for Combined Heat & Power (CHP) - heat and electricity is largest source of
  - 1. Move to green electricity via heat pumps
  - 2. Green propane (biogas): industry targets 100% green propane by 2040
2. Solar panels
  - 1. No carbon benefit (we already use green electricity)
  - 2. Potential for energy cost saving
  - 3. Swimming pool and sports hall roof opportunities
3. EV charging for visitor / staff charging
4. Biomass system replacement for the future needs to be considered: heat pumps may be an option
5. Minibuses use diesel: move to EV as technology develops



# Environmental sustainability

- Vision of zero environmental impact from our activities
- Greenhouse gas emissions reduced by 45% since 2022
- Next steps
  - Continual improvement
  - Green propane
  - Travel emissions